

ABSTRACT OF THE DISCLOSURE

The present invention relates to certain novel dinucleotides and formulations thereof which are highly selective agonists of the P2Y₂ and/or P2Y₄ purinergic receptor. They are useful in the treatment of chronic obstructive pulmonary diseases such as chronic bronchitis, PCD, cystic fibrosis, as well as prevention of pneumonia due to immobility. Furthermore, because of their general ability to clear retained mucus secretions and stimulate ciliary beat frequency, the compounds of the present invention are also useful in the treatment of sinusitis, otitis media and nasolacrimal duct obstruction. They are also useful for treatment of dry eye disease and retinal detachment as well as facilitating sputum induction and expectoration.